

**Table 1: Budget Breakdown by Mechanism  
U.S. President's Malaria Initiative - LIBERIA  
Planned Malaria Obligations for FY 2021**

<b>Mechanism</b>	<b>Activity</b>	<b>Budget</b>	<b>%</b>
Liberia FARA	Implementation of MIP and case management activities by CHTs.	\$900,000	7%
Strategic Technical Assistance for Improved Health Systems (STAIP)	Technical assistance to NMCP and CHTs for MIP, Case Management, and SM&E activities.	\$1,725,000	13%
TBD - Liberia Community Bilateral	Technical assistance, training, and materials for iCCM and community malaria activities	\$800,000	6%
PMI VectorLink	Entomologic monitoring; entomological and epidemiological monitoring of impact of nets distributed in 2021 campaign.	\$750,000	6%
READ Liberia	Support school-based net distribution.	\$150,000	1%
Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	Procurement of ITNs, SP, RDTs, ACTs, and severe malaria medicines; warehousing and distribution of commodities; strengthening the supply chain system at the CMS and CHT levels; EUVs; eLMIS.	\$5,996,754	44%
PQM+	Antimalarial drug quality monitoring; support to LMHRA.	\$300,000	2%
Breakthrough ACTION	SBC technical assistance at the central, county, school, and community level.	\$900,000	7%
Peace Corps	Inclusion of malaria messages in schools, as well as community activities.	\$40,000	0%
CDC Interagency Agreement	Technical assistance for entomologic monitoring, ITN campaign, case management, and SM&E; CDC staffing and administration.	\$684,200	5%
USAID	Staffing and administration.	\$1,051,546	8%
M-DIVE	PMI data analytics.	\$101,250	1%
TBD - Central Mechanism	Digital diagnostics.	\$101,250	1%
<b>TOTAL</b>		<b>\$13,500,000</b>	<b>100%</b>

**Table 2: Budget Breakdown by Activity  
U.S. President's Malaria Initiative - LIBERIA  
Planned Malaria Obligations for FY 2021**

Proposed Activity	Mechanism	Budget (in \$)	Geographic Reach of PMI Activity		Description of Proposed Activity
			If coverage is focused by region(s), name(s) of region(s)	If coverage is focused by district(s), name(s) of district(s)	
<b>VECTOR CONTROL</b>					
<b>Entomological Monitoring</b>					
Support Entomologic Monitoring	PMI VectorLink	\$600,000		To Be Determined	Support routine entomological monitoring activities to ensure data is collected on a monthly basis in four established sites to assess malaria vector density, species composition, feeding time and location. Insecticide susceptibility testing (for both <i>An. gambiae</i> and <i>An. funestus</i> , where present) will be conducted at one site in each of the country's 15 counties at least once every two years. Testing will prioritize pyrethroids (including resistance intensity assays) and synergists and new insecticides for ITNs. In addition, funding will support molecular analyses for species identification, sporozoite infection rates, and blood meal source, as well as assessing mechanisms of resistance. Funding will also support maintenance of the insectary.
<b>Subtotal : \$600,000</b>					

**Insecticide-Treated Nets**

Procure Dual AI ITNs for Continuous Distribution Channels	GHSC PSM Malaria	\$1,604,059	Nationwide			Procure about 460,000 Dual Active Ingredient (Dual AI) ITNs for routine distribution (ANC, institutional delivery, institutions, and schools).
Distribute ITNs for Continuous Distribution Channels	GHSC PSM Malaria	\$230,000	Nationwide			ITN distribution, including warehousing and transportation down to the county level and health facilities, as needed.
Other ITN Implementation	READ Liberia	\$150,000		To Be Determined		Support school-based ITN distribution by the NMCP and Ministry of Education.
Other ITN Implementation	PMI VectorLink	\$150,000		To Be Determined		Support entomological (expanded beyond routine sites) and epidemiological (routine HMIS) data collection as part of a multi-year assessment of the 2021 mass distribution of Interceptor G2 (Dual AI) ITNs.

**Subtotal : \$2,134,059**

**SBC for Vector Control**

SBC Implementation for Vector Control	Breakthrough ACTION	\$300,000	Nationwide			SBC activities will focus on improving access, care and sustained use of ITNs for all nets distributed through mass campaigns, routine health facility-based, and school-based ITN programs. SBC activities will focus on: increasing awareness of the benefits of ITNs, including during pregnancy; increasing demand for ITNs during first ANC visit and at delivery; increasing the proportion of individuals who perceive themselves to be in danger if they do not access and use a net properly all year round; increasing community prioritization, dialog, and actions for improved ITN access and use. Various communication channels will be used depending on target audience. Will also work with Peace Corps to support malaria messaging in schools.
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**Subtotal : \$300,000**

**Total : \$3,034,059**

**DRUG-BASED PREVENTION**

**Prevention of Malaria in Pregnancy**

Procure IPTp-Related Commodities	GHSC PSM Malaria	\$162,000	Nationwide			Procure approximately 675,000 SP treatments to ensure an adequate supply for pregnant women to receive three doses throughout their pregnancy.
MIP Implementation	Liberia FARA	\$300,000		Bong, Grand Cape Mount, Grand Gedeh, Lofa, Nimba, River Gee		At the facility level, continue in-service training for malaria in pregnancy; support CHTs in supervision of health workers at ANC facilities; and support community outreach. In addition, support will be provided for the MOH and CHTs to supervise all health facilities, including hospitals, in focus counties every quarter.
MIP Implementation	STAIP	\$300,000	Central	Bomi, Bong, Grand Bassa, Grand Cape Mount, Grand Gedeh, Grand Kru, Lofa, Margibi, Maryland, Montserrado, Nimba, River Gee		Improve quality of care and adherence to standards for MIP in 6 PMI-supported counties. This includes strengthening health facility capacity to deliver quality MIP services through effective in service training, supportive supervision, and mentoring at the county and facility level, targeting especially low performing health facilities with high missed opportunities and dropout rates for IPTp; support for health worker interpersonal communication; provide technical assistance to MOH Reproductive Health Division and NMCP to plan for MIP nationwide; support the coordination structures at central and county levels; and mentoring on filing MIP data in HMIS registers and reporting. In the 6 FARA counties, provide technical assistance to the CHTs. This activity will operate at central, county, and health facility level, including all public health facilities. The World Bank performance-based financing will scale up similar interventions in Gbapolu, River Cess, and Sinoe counties.

**Subtotal : \$762,000**

**SBC**

SBC Implementation for Prevention	Breakthrough ACTION	\$250,000	Nationwide			SBC activities will focus on addressing health worker attitude, practice, and missed opportunities for IPTp and ITNs for pregnant women. The SBC activities will focus on reducing missed opportunities and IPTp drop out rates for IPTp by increasing pregnant women's confidence and ability to ask for SP during ANC; improving health worker attitude and practice for IPTp; and advocating for structural, organizational, and system changes that affect IPTp uptake. Various communication channels will be used depending on target audience. Will also work with Peace Corps to support malaria messaging in schools.
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**Subtotal : \$250,000****Total : \$1,012,000****CASE MANAGEMENT****Procure Case Management-Related Commodities**

Procure RDTs	GHSC PSM Malaria	\$1,075,000	Nationwide			Procure approximately 2.5 million single species ( <i>P. falciparum</i> only) RDTs for the public sector, including faith-based health facilities and community case management providers. This quantity represents the entire need for Liberia.
Procure ACTs	GHSC PSM Malaria	\$703,000	Nationwide			Procure up to 1,464,000 ACT treatments for the public sector, including faith-based health facilities and community case management providers.
Procure Drugs for Severe Malaria	GHSC PSM Malaria	\$331,500	Nationwide			Procure approximately 150,000 vials of injectable artesunate for use in public hospitals.
Procure Other Treatment-Related Commodities	GHSC PSM Malaria	\$60,000	Nationwide			Procure 1 million Quinine tablets for treatment of pregnant women with confirmed malaria in the first trimester.
Procure Other Diagnosis-Related Commodities	GHSC PSM Malaria	\$200,000	Nationwide			Procure laboratory equipment, reagents, and other supplies, including microscopes and spare parts.
Procure Drugs for Severe Malaria	GHSC PSM Malaria	\$6,195	Nationwide			Procure approximately 10,500 capsules of rectal artesunate for community health workers to administer as pre-referral treatment for severe malaria cases in children.

**Subtotal : \$2,375,695**

### Case Management Implementation

Facility-based case management	Liberia FARA	\$600,000		Bong, Grand Cape Mount, Grand Gedeh, Lofa, Nimba, River Gee	Strengthen CHT capacity for supportive supervision at county, district and facility level for improving malaria diagnosis and prompt and appropriate treatment. Activities will emphasize clinicians' adherence to test results, use of case management algorithms, reporting of malaria data to the HMIS, and triangulation of data for decision-making. This activity targets health facilities, including hospitals.
Facility-based Case Management	STAIP	\$700,000		Bomi, Bong, Grand Bassa, Grand Cape Mount, Grand Gedeh, Grand Kru, Lofa, Margibi, Maryland, Montserrado, Nimba, River Gee	Strengthen CHT capacity for delivering quality case management in the 6 PMI counties, focusing on improving quality of testing and test rates, adherence to malaria test results, and rational use of ACTs. This includes: strengthening capacity for effective in service training, supportive supervision, and mentoring at the county, district, and facility level; support for health worker interpersonal communication; clinicians' adherence to test results, use of case management algorithms, reporting of malaria data to the HMIS, and triangulation of data for decision-making. In the 6 FARA counties, technical assistance will be provided to CHTs. This activity targets health facilities, including hospitals. World Bank performance-based financing will scale up similar interventions in Gbapolu, River Cess, and Sinoe counties.
Community-based Case Management	TBD - Liberia Community Bilateral	\$800,000		Bomi, Bong, Grand Bassa, Grand Cape Mount, Grand Gedeh, Grand Kru, Lofa, Margibi, Maryland, Montserrado, Nimba, River Gee	Support MoH/NMCP for iCCM training, coordination, and oversight, and support CHT oversight and supportive supervision of iCCM in three counties (Bong, Lofa, and Nimba). Capacity development of community-based health workers including training in prompt diagnosis and appropriate treatment of malaria and technical assistance for iCCM scale-up. PMI will leverage support from other USAID health elements for iCCM. Support will also be provided for discrete community-based activities, e.g. school health interventions, outside of Bong, Lofa, and Nimba in the other nine counties PMI supports.

	Private Sector Case Management	STAIP	\$50,000		Margibi, Montserrado, Nimba	Support training and provision of treatment guidelines to improve malaria case management and MIP in the private sector. Engage professional bodies to improve adherence to malaria treatment guidelines.
	National-level Support for Case Management	STAIP	\$100,000	Central		Technical assistance to MOH and NMCP to plan and implement malaria diagnostic activities nationwide in order to increase the provision and maintenance of quality diagnostic services.
	<b>Subtotal : \$2,250,000</b>					
<b>SBC</b>						
	SBC Implementation for Case Management	Breakthrough ACTION	\$250,000	Nationwide		SBC activities will focus on addressing health worker adherence to malaria test results and rational use of ACTs as well as addressing community early health seeking behaviors and presumptive treatment of malaria. SBC activities will be designed to change attitudes, increase knowledge and practice. SBC activities will focus on: increasing the proportion of fever cases tested for malaria; increasing the proportion of confirmed malaria cases that receive the correct treatment according to the national treatment guidelines; reducing clinical diagnosis of malaria, reducing the proportion of malaria negative cases that receive ACTs (irrational use of ACTs), reducing the use of SP for treatment of uncomplicated malaria; reducing the practice of self-medication. Various communication channels will be used depending on target audience. With Peace Corps, support malaria messaging in schools.
<b>Subtotal : \$250,000</b>						
<b>Total : \$4,875,695</b>						

**SUPPLY CHAIN**

**In-Country Supply Chain**

Warehousing and Distribution	GHSC PSM Malaria	\$550,000	Nationwide		Support warehousing and distribution costs of malaria commodities from the central Caldwell warehouse to county depots, and last mile distribution, as needed.
Pharmaceutical Management Systems Strengthening	GHSC PSM Malaria	\$150,000	Nationwide		Support improved storage conditions for all commodities at county depots, including warehousing for the ITNs
Pharmaceutical Management Systems Strengthening	GHSC PSM Malaria	\$300,000	Central		Support CMS warehouse operations, co-management, supervision, ongoing mentoring to CMS, forecasting and quantification, implementation of the new eLMIS in line with MOH Supply Chain Master Plan (SCMP).
Pharmaceutical Management Systems Strengthening	GHSC PSM Malaria	\$500,000	Nationwide		Expand support to regional or county depots and CHTs to rationalize commodity management, storage, supervision, and reporting (eLMIS) in line with revised SCMP.
Pharmaceutical Management Systems Strengthening	GHSC PSM Malaria	\$125,000	Nationwide		The MOH worked with USAID and the Global Fund to combine the Global Fund-supported On Shelf Availability (OSA) assessment with EUV to create one harmonized tool known as On Shelf and End Use Verification (OSEUV) survey. PMI will leverage Global Fund and other partners to support two or three OSEUV surveys per year to monitor malaria commodity availability and malaria case management practices at public health facilities and county depots.
Ensuring drug and other health product quality	PQM+	\$300,000	Nationwide		Monitor antimalarial drug quality and support regulation and rational use of pharmaceuticals. Strengthen LMHRA, Pharmacy Board, and MOH systems for pharmaceutical regulation, including antimalarial quality testing and sampling.

**Subtotal : \$1,925,000**

**Total : \$1,925,000**

**MONITORING, EVALUATION & RESEARCH**

**Surveillance, Monitoring, and Evaluation**

Support Routine Surveillance	STAIP	\$300,000	Nationwide			Strengthen data collection, aggregation, reporting and use at county level. Support the CHTs to collect and report data through the HMIS (including community data from CHVs and CHAs in the CBIS) and utilize the data to track key malaria indicator trends in the health facilities and communities in each county. Support CHTs to conduct routine data quality reviews.
Other SM&E Implementation	STAIP	\$75,000	Central			Local LTTA to strengthen the M&E capacity of the NMCP, including planning, collection, and analysis and use of data for decision making. Support M&E TWGs; strengthen linkages with the central MOH M&E unit (HMER). This activity transitioned from an expat to a local position.
Digital Diagnostics	TBD - Central Mechanism	\$101,250	Central			Support for data collection through digital diagnostics activities.
PMI Data Analytics	M-DIVE	\$101,250	Central			Support for data analytics using the PMI M-DIVE platform.

**Subtotal : \$577,500**

**Total : \$577,500**

<b>OTHER HEALTH SYSTEMS STRENGTHENING</b>						
	Support to Peace Corps	Peace Corps	\$40,000	Nationwide		Support for Peace Corps volunteers to educate school-age children and parents on malaria prevention. PMI will support three malaria Peace Corps volunteers and provide support for malaria education activities carried out by other volunteers.
	Other Health Systems Strengthening Implementation	STAIP	\$200,000	Central		Strengthen NMCP technical capacity and program management. Strengthen collaboration between the NMCP and other units in the MOH and agencies like NPHIL and LMHRA. Specific activities will include organization of coordination meetings, site visits, and annual NMCP data and program review meetings. Support NMCP staff technical capacity building including attendance at international meetings and conferences and training courses.
	Other Health Systems Strengthening Implementation	Breakthrough ACTION	\$100,000	Central		Technical assistance to MOH Health Promotion and Community Health Units to develop and disseminate malaria messages using various channels like media, posters, leaflets, audio messages both in English and local languages. Technical assistance to the NMCP to develop a malaria SBC strategy, support NMCP and MOH SBC coordination, and developing strategies and plans for monitoring SBC activities.
<b>Subtotal : \$340,000</b>						
<b>Total : \$340,000</b>						

**STAFFING & ADMINISTRATION**

Vector Control-Related CDC TDY	CDC IAA	\$29,000	Central		Funding for two CDC technical assistance visits. One visit will provide training on laboratory techniques (ELISAs for detection of sporozoites and PCR for molecular vector species identifications) at LIBR, and refreshers for conducting CDC bottle bioassays for insecticide susceptibility and resistance intensity testing. A second visit will focus on data management, use, and reporting for evidence-based decision making and advocacy among vector control stakeholders.
Vector Control-Related CDC TDY	CDC IAA	\$10,000	Central		Technical assistance for monitoring dual AI nets and school-based distribution.
Case Management-Related CDC TDY	CDC IAA	\$10,000	Central		One technical assistance visit to the NMCP and the National Reference Laboratory for monitoring and improvement of quality assurance activities for malaria diagnostics at all levels of the health care system, including testing by private facilities and iCCM.
SM&E-Related CDC TDY	CDC IAA	\$10,000	Central		Technical assistance for SM&E activities, including 2022 MIS.
USAID In-Country Staffing and Administration: Staffing	USAID	\$781,546	Central		Salaries and benefits, as well as administrative-related costs of in-country PMI staff, including one USAID Resident Advisor, one full-time PMI Foreign Service National, and one half of USAID Supply Chain FSN. Also includes local Mission costs of CDC Resident Advisor.
USAID In-Country Staffing and Administration: Administration	USAID	\$270,000	Central		Support administrative and oversight costs in support of PMI activities in Liberia and support of activities as needed by the mission.
CDC In-Country Staffing and Administration	CDC IAA	\$625,200	Central		Salaries and benefits, as well as administrative-related costs of in-country PMI CDC Resident Advisor, and support of activities as needed by the mission.

**Subtotal : \$1,735,746**

**Total : \$1,735,746**

**GRAND TOTAL: \$13,500,000**